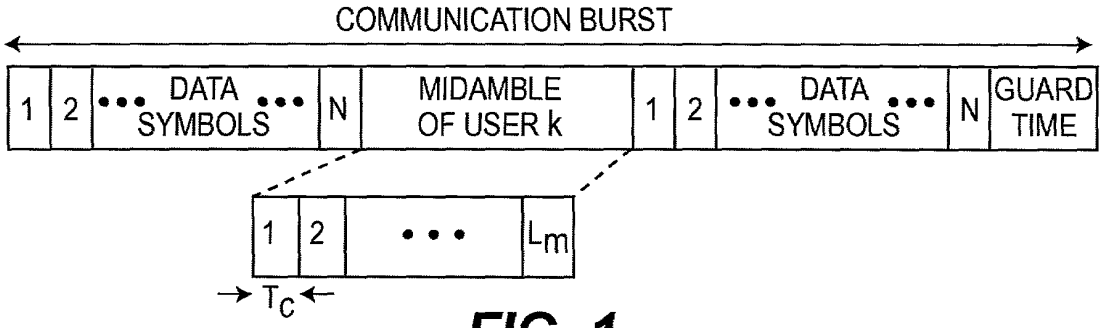


FIG. 1
PRIOR ART

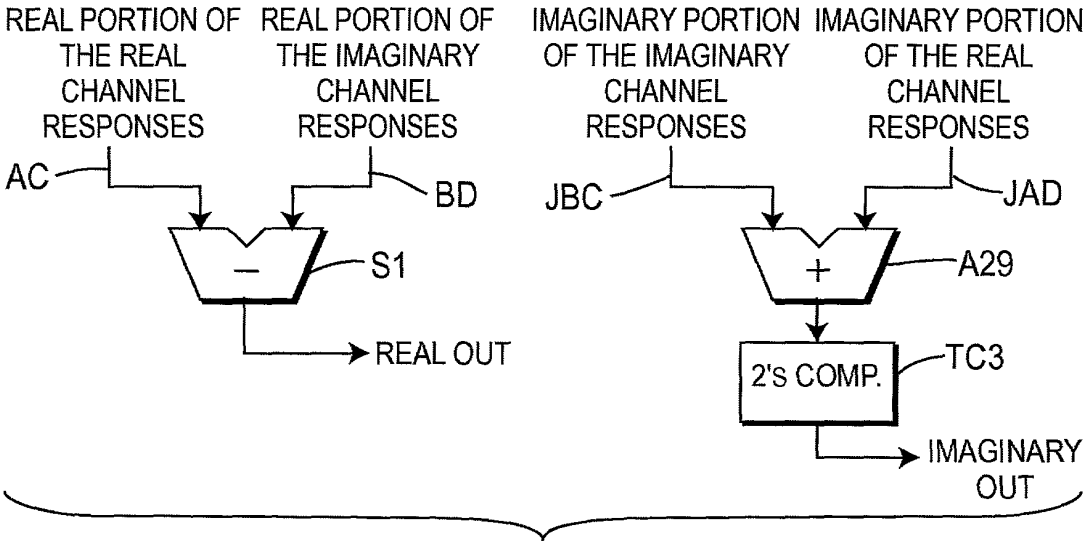


FIG. 3

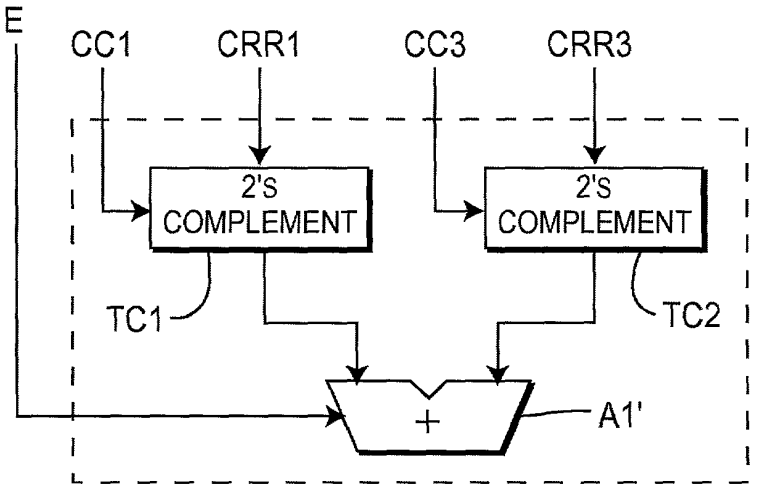


FIG. 4

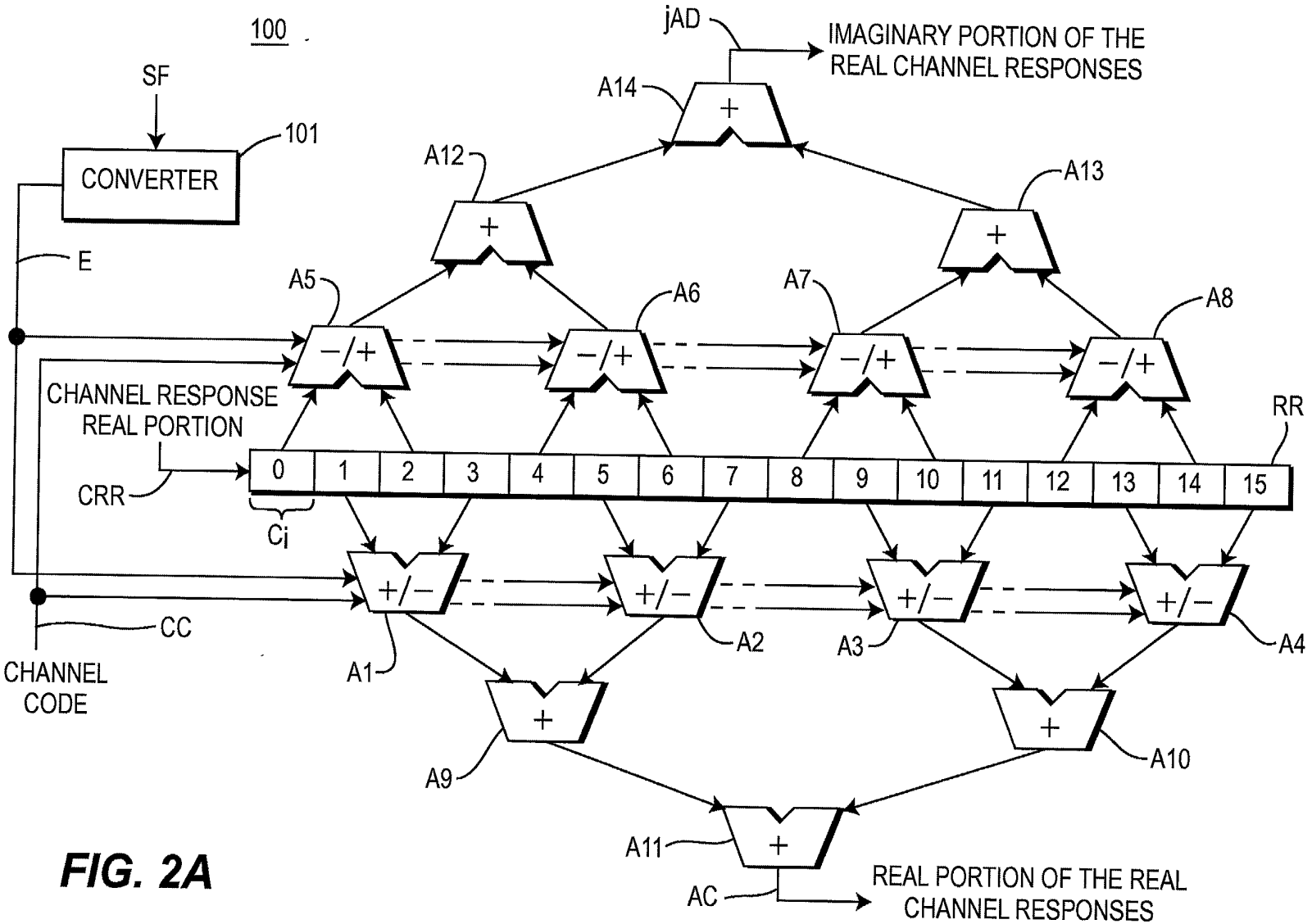
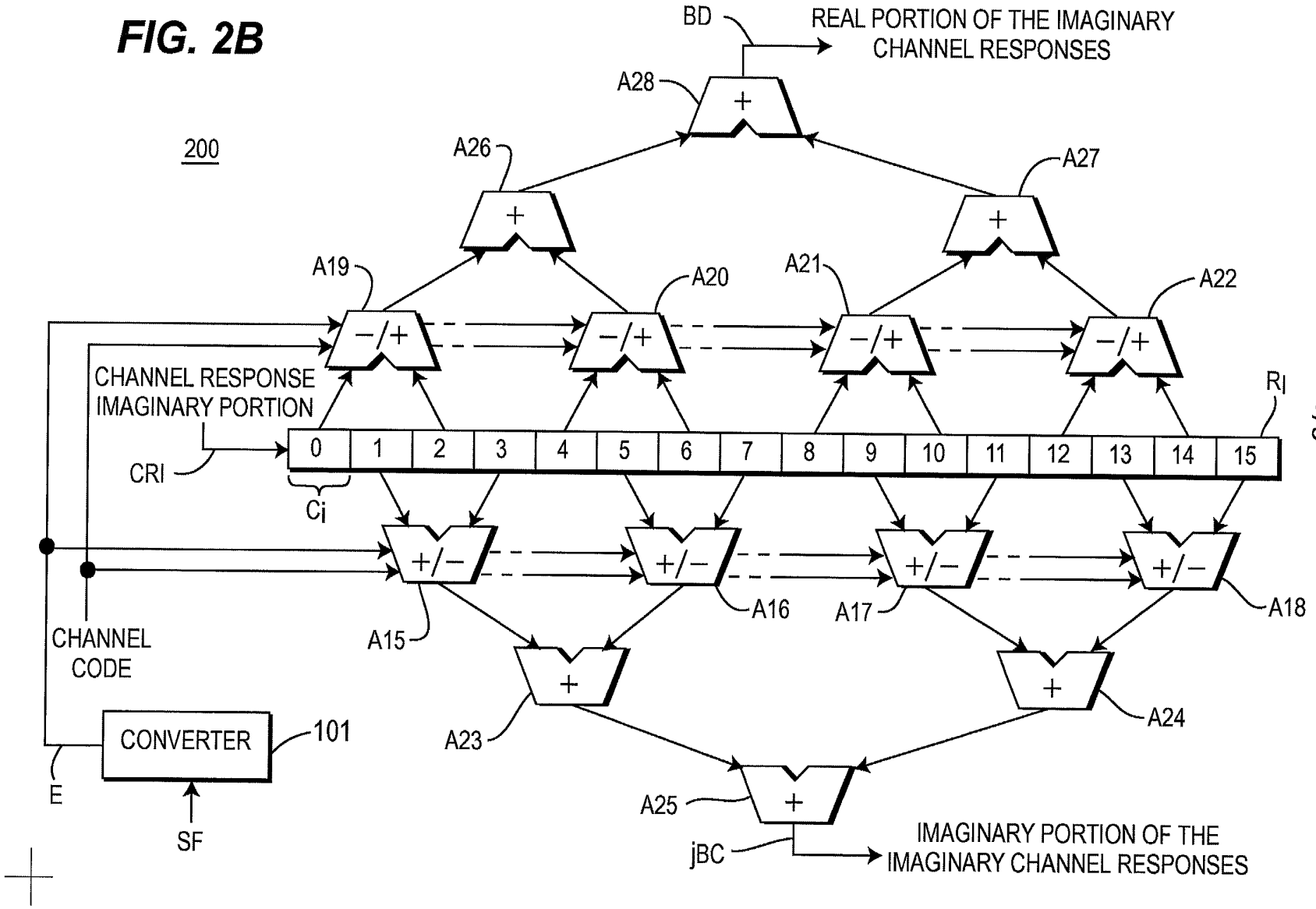

100
SF
101
CONVERTER
E
CHANNEL RESPONSE REAL PORTION
CRR
Ci
CC
CHANNEL CODE
jAD
IMAGINARY PORTION OF THE REAL CHANNEL RESPONSES
A14
A12
A13
A5
A6
A7
A8
RR
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A1
A2
A3
A4
A9
A10
A11
AC
REAL PORTION OF THE REAL CHANNEL RESPONSES

FIG. 2A

FIG. 2B


200
BD
REAL PORTION OF THE IMAGINARY CHANNEL RESPONSES
A28
A26
A27
A19
A20
A21
A22
CHANNEL RESPONSE IMAGINARY PORTION
RI
CRI
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
Ci
A15
A16
A17
A18
CHANNEL CODE
CONVERTER
101
E
SF
A23
A24
A25
jBC
IMAGINARY PORTION OF THE IMAGINARY CHANNEL RESPONSES

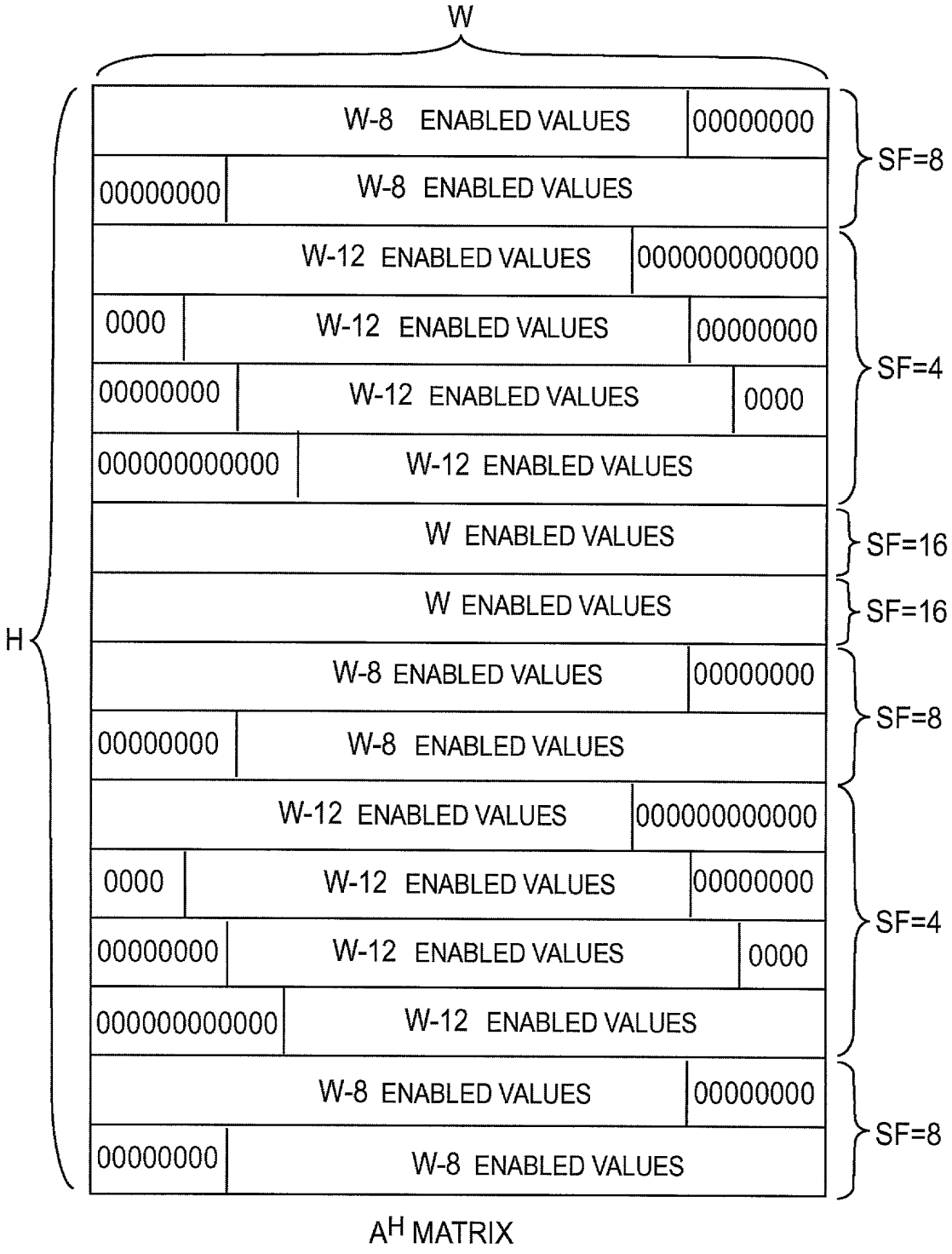
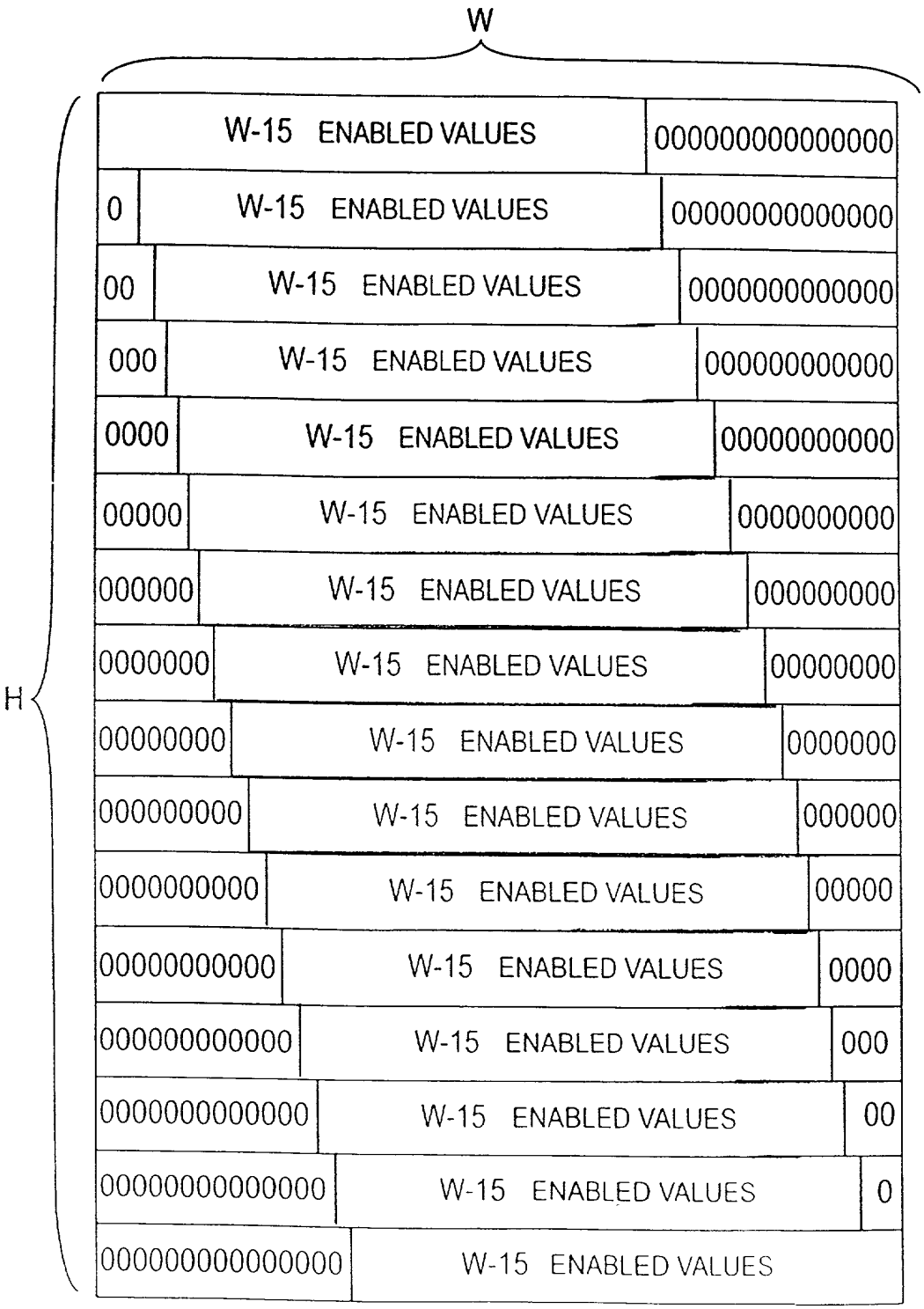

W
H
W-8 ENABLED VALUES
00000000
00000000
W-8 ENABLED VALUES
SF=8
W-12 ENABLED VALUES
000000000000
0000
W-12 ENABLED VALUES
00000000
00000000
W-12 ENABLED VALUES
0000
000000000000
W-12 ENABLED VALUES
SF=4
W ENABLED VALUES
SF=16
W ENABLED VALUES
SF=16
W-8 ENABLED VALUES
00000000
00000000
W-8 ENABLED VALUES
SF=8
W-12 ENABLED VALUES
000000000000
0000
W-12 ENABLED VALUES
00000000
00000000
W-12 ENABLED VALUES
0000
000000000000
W-12 ENABLED VALUES
SF=4
W-8 ENABLED VALUES
00000000
00000000
W-8 ENABLED VALUES
SF=8
A^H MATRIX

FIG. 5



A^H MATRIX FOR SF = 1

FIG. 6